

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-215780

(43)Date of publication of application : 08.09.1988

(51)Int.Cl.

C09D 5/14

C08F 30/08

(21)Application number : 62-049783

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(22)Date of filing : 04.03.1987

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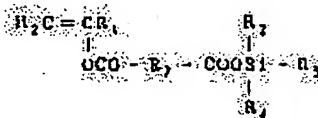
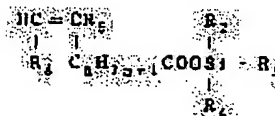
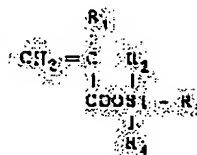
SHOJI AKIO

(54) ANTIFOULING PAINT RESIN

(57)Abstract:

PURPOSE: To form a resin suitable for producing, by incorporating an antifouling agent therein, a paint to prevent fouling in seawater, having excellent long-term antifouling property and used for the bottom of ships, by the copolymerization of specified vinyl monomers with other copolymerizable vinyl monomer.

CONSTITUTION: This antifouling paint resin has a number-average molecular weight of 3,000-40,000 and is obtained by the copolymerization of 15-90wt.% mixture of a vinyl monomer (a) of formula I (wherein R₁ is H or methyl; R₂, R₃, and R₄ may be the same or different and are each alkyl, phenyl or allyl, provided that only one of them may be H), a vinyl monomer (b) of formula II [wherein R₂, R₃, and R₄ are the same as in formula I; R₅ is H, methyl, etc.; R₆ is H or C_nH_{2n+1}COOR (wherein R is 1-4C alkyl)] and/or a vinyl monomer (c) of formula III (wherein R₁, R₂, R₃, and R₄ are the same as in formula I; R₇ is alkyl, etc.) [with 10-85wt.% other copolymerizable vinyl monomer (d)].



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[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

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